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(54) Title: COMPOSITION FOR STABILIZING CORNEAL TISSUE DURING OR AFTER ORTHOKERATOLOGY LENS WEAR

(57) Abstract: Two types of compositions having an eye-drop delivery system are used during or after an orthokeratology procedure to prevent or retard relaxation of corneal tissue back to the original anterior curvature of the cornea. Each composition functions independently from the others and is a different approach of preparing a stabilizing agent. The first composition is directed to a biologically compatible composition comprising fibril associated collagens with interrupted triple helices (FACITs) and/or small leucine-rich repeat proteoglycans (SLRPs). The fibril associated collagen family includes various types of collagens, such as type VI, type XX, type XII, and type XIV. The small leucine-rich repeat proteoglycans family includes decorin, keratocan, biglycan, epiphykan, lumican, mimecan, and fibromodulin. The second composition includes the enzyme found as a normal component of tissues, plasma, or epidermis, such as transglutaminase.